Date Mailed: April 29, 2004	MAY 0 3 2004		Sheet 1 of 3
Form 1449*	MAT	Docket Number: SVL920030133US1	Application Number: 10/807,662
INFORMATION DISCL	OSURE STATEMENT	Applicant: Vahit H. Hacigumus et al.	
IN AN APPI	LICATION & TRADEMA	Filing Date: March 24, 2004	Group Art Unit: To be assigned

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INITIAL	DOC	MENT NO.	DATE	NAME	CLASS	SOBCLASS		DATE II PRIATE
	5,442,699		08/15/95	Arnold et al.				
	6,226,629		05/01/01	Cossock				
	6,275,824		08/14/01	O'Flaherty et al.				
	6,446,092		09/03/02	Sutter				
	US 2001/0	0019614 A1	09/06/01	Madoukh				
	US 2002/0	0038421 A1	03/28/02	Hamada				
	US 2002/0	0129260 A1	09/12/02	Benfield et al.				
	US 2002/0	0174355 A1	11/21/02	Rajasekaran et al.				
	US 2003/0	0055824 A1	03/20/03	Califano				
	US 2003/0	0061205 A1	03/27/03	Cleghorn et al.				
	US 2003/0	0123671 A1	07/03/03	He et al.				
				FOREIGN PATENTS				
	DOCUME	NT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	OTHER I	OCUMENTS (I	ncluding Author	Title, Date, Pertinent Pages, F	tc.) Copies of Referen	nces <u>NOT</u> Requ	aired	
		N. Ahituv et	al., "Process	sing Encrypted Data". C	ommunications of	the ACM, 30)(9) pp. 7	77-780
		N. Ahituv et al., "Processing Encrypted Data", Communications of the ACM, 30(9) pp. 777-780,						
		1987.						
		E. Brickell e	et al., "On Pri	vacy Homomorphisms"	, In Proc. Advan	ces in Crypto	logy-	_
		Eurocrypt '87, pp. 117-125, 1988.						
		S. Chaudhur	i, "An Overv	iew of Query Optimizat	on in Relational S	Systems", In	Proc. of	ACM
				of Database Systems (P			Í	

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, wheth	er or not citation is in conformance with MPEP 609; draw line through citation if not in
conformance and not considered. Include copy of	his form for next communication to the Applicant.

^{*}Substitute Disclosure Statement Form (PTO-1449)

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S. Chaudhuri et al., "Including Group-By in Query Optimization", In Proc. of VLDB, pp. 354-
366, 1994.
R. Power, Computer Security Institute, "Computer Security Issues & Trends: 2002 CSI/FBI
Computer Crime and Security Survey" 8(1) pp. http://www.gocsi.com, 2002.
ComputerWorld, "J.P. Morgan signs outsourcing deal with IBM", 3pp. Dec. 30, 2002.
ComputerWorld, "Business Process Outsourcing", 4pp., Jan. 01, 2001.
U. Dayal, "Of nests and trees: A unified approach to processing queries that contain nested
subqueries, aggregates, and quantifiers", In Proc. of VLDB, pp. 197-208, 1987.
J. Domingo-Ferrer, "A new privacy homomorphism and applications", Information
Processing Letters, 60(5):277-282, 1996 [7pp including cover/publication page]
J. Domingo-Ferrer, "Multi-applications smart cards and encrypted data processing", Future
Generation Computer Systems, 13:65-74, 1997, [preprint: 11/28/96 pp. 1-16]
C. A. Galindo-Legaria et al., "Orthogonal optimization of subqueries and aggregation", In Proc.
of ACM SIGMOD, pp. 369-374, 2001.
H. Garcia-Molina et al., "Database Systems: The Complete Book" Prentice Hall, pp. 369-374,
2002.
G. Graefe et al., "The EXODUS optimizer generator", In Proc. of ACM SIGMOD, pp. 160-172,
1987.

EXAMINER:	/Zachary A. Davis/	DATE CONSIDERED: 06/20/2008			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in					
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IN AN APPLICAT	TOWN TRADEN	Filing Date: March 24, 2004	Group Art Unit:: To be assigned

H. Hacigumus et al., "Executing SQL over Encrypted Data in Database Service Provider Model"
In Proc. of ACM SIGMOD, pp. 216-227, 2002.
H. Hacigumus et al., "Providing Database as a Service", In Proc. of ICDE, 10pp., 2002.
W. Kim, "On optimizing an SQL-like nested query", ACM Transactions on Database Systems
(TODS), 7(3):443-469, 1982.
M. Muralikrishna, "Optimization and dataflow algorithms for nested tree queries", In Proc. of
VLDB, pp. 77-85, 1989.
R. L. Rivest et al., "On Data Banks and Privacy Homomorphisms", In Foundations of Secure
Computation, pp. 169-177, 1978.
 D. R. Stinson, "Cryptography: Theory and Practice", CRC Press, pp. 114-125 (plus
title/publication page), 1995.
TPC-H. Benchmark Specification, Revision 2.1.0, http://www.tpc.org/tech, pp. 1-145. 1993
P. Wayner, "Translucent Databases", Flyzone Press, 10pp, 2002.
N. R. Wagner, et al., "Encrypted Database Design: Specialized Approaches," IEEE, pp. 148-153,
1986.

EXAMINER:	/Zachary A. Davis/	DATE CONSIDERED: 06/20/2008			
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